

03-2103

2681

U.S. UTILITY PATENT APPLICATION



EXPRESS MAILING via Express Mail Label EV 082608395 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
 (Attorney Docket No. BP 1904)

#2
 30
 03-2703

In the Application of:
 Oscar E. Agazzi
 App. Ser. No.: 10/086,267
 Filed: March 1, 2002 (03/01/2002)
 For: Digital signal processing based de-serializer

§ Group Art Unit: 2681
 § Examiner: not yet assigned
 § Confirmation No.: 4805
 §

INFORMATION DISCLOSURE STATEMENT**RECEIVED**

MAR 20 2003

Box Non-Fee Amendments
 Commissioner for Patents
 Washington, D.C. 20231

Technology Center 2600

Dear Sir or Madam:

It is requested that the enclosed reference(s) listed on the attached Information Disclosure Statement by Applicant (Form PTO/SB/08A (1 page) and Form PTO/SB/08B (2 pages)) be considered by the Patent Examiner in connection with the above-identified application and be made of record therein. In addition to the three (3) patent documents identified by the International Search Report Communication that is provided and referenced below, twelve (12) non-patent literature documents are provided independently by the Applicant.

Certification Under 37 C.F.R. § 1.97(e)(1)

I hereby certify that the corresponding enclosed reference(s) were cited in an International Search Report Communication (copy enclosed) dated February 18, 2003 (02/18/2003) from the U.S. Patent Office concerning counterpart International Application No. PCT/US 02/06414 (Attorney Docket No. BP 1904 PCT), not more than three months prior to the filing of this Information Disclosure Statement by Applicant.

Independent consideration and acknowledgment of the enclosed references is respectfully requested.

Respectfully submitted,

Date: March 20, 2003

By:

Shayne X. Short, Ph.D., Reg. No. 45,105
 USPTO Customer No. 34,399

GARLICK HARRISON & MARKISON, LLP

ATTORNEYS AT LAW
 P.O. Box 160727
 AUSTIN, TEXAS 78716-0727
 TELEPHONE (512) 825-1145
 FACSIMILE1 (512) 394-0054
 FACSIMILE2 (512) 264-3735
 EMAIL: sxshort@texaspatents.com

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/086,267
Filing Date	03/01/2002
First Named Inventor	Oscar E. Agazzi
Art Unit	2681
Examiner Name	n/a
Attorney Docket Number	BP 1904

Sheet	1	of	3
-------	---	----	---

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

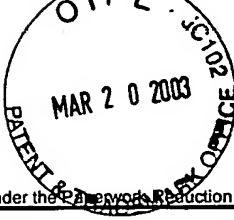
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		EP 1 006 697 A2	06-07-2000	Kameran Azadet		
		EP 0 617 521 A2	09-28-1994	Zoran Kostic		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Under the Patent and Trademark Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/086,267
		Filing Date	03/01/2002
		First Named Inventor	Oscar E. Agazzi
		Art Unit	2681
		Examiner Name	n/a
Sheet 2	of 3	Attorney Docket Number	BP 1904

RECEIVED
MAR 22 2002
Technology Center 2600

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/		W. Ellersick, C. K. Yang, M. Horowitz, and W. Dally, "GAD: A 12GS/s CMOS 4-bit A/D Converter for an Equalized Multi-Level Link," 1999 Symposium on VLSI Circuits, pp. 49-52.	
/		W. Ellersick, C. K. Yang, V. Stojanovic, S. Modjtahedi, and M. A. Horowitz, "A Serial-Link Transceiver Based on 8Gsample/s A/D and D/A Converters in 0.25 um CMOS," 2001 IEEE International Solid-State Circuits Conference, San Francisco, February 2001, 3 pages.	
/		C. K. Yang, V. Stojanovic, S. Modjtahedi, M. A. Horowitz, and W. F. Ellersick, "A Serial-Link Transceiver Based on 8Gsample/s A/D and D/A Converters in 0.25 um CMOS," IEEE Journal of Solid-State Circuits, Vol.36, No.11, November 2001, pp. 1684-1692.	
/		C. S. G. Conroy, D. W. Cline, and P. R. Gray, "An 8-b 85MS/s Parallel Pipeline A/D Converter in 1 um CMOS," IEEE Journal of Solid-State Circuits, Vol.28, No.4, April 1993, pp. 447-454.	
/		J-E. Eklund and F. Gustafsson, "Digital Offset Compensation of Time-Interleaved ADC Using Random Chopper Sampling," International Symposium on Circuits and Systems, May 28-31, 2000, Geneva, Switzerland, pp. III-447-III-450.	
/		Y-C. Jenq, "Digital Spectra of Nonuniformly Sampled Signals: A Robust Sampling Time Offset Estimation Algorithm for Ultra High-Speed Waveform Digitizers Using Interleaving," IEEE Transactions on Instrumentation and Measurements, Vol.39, No.1, February 1990, pp. 71-75.	
/		D. Fu, K. C. Dyer, S. H. Lewis, and P. J. Hurst, "A Digital Background Calibration Technique for Time-Interleaved Analog-to-Digital Converters," IEEE Journal of Solid-State Circuits, Vol.33, No.12, December 1998, pp. 1904-1911.	
/		C. K. Yang, "Design Techniques for High-Speed Chip-to-Chip Links," http://web.doe.carleton.ca/courses/97578/topic5/Tutorial_SerialLink.pdf , 31 pages.	
/		W. J. Dally and J. Poulton, "Transmitter Equalization for 4Gb/s Signalling," Proceedings of Hot Interconnects IV, Palo Alto, 1996, 10 pages.	
/		W. C. Black and D. A. Hodges, "Time Interleaved Converter Arrays," IEEE Journal of Solid-State Circuits, Vol.SC-15, No.6, December 1980, pp. 1022-1029.	

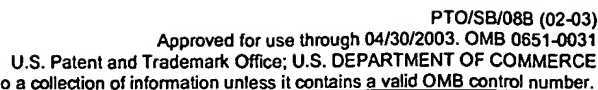
Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Complete if Known

(Use as many sheets as necessary)

Sheet 3

of

3

Application Number

10/086 267

Filing Date

03/01/2002

First Named Inventor

Oscar E. Agazzi

Art Unit

2681

Examiner Name

n/a

Attorney Docket Number

BP 1904

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/		A. Petraglia and S. K. Mitra, "Analysis of Mismatch Effects Among A/D Converters in a Time-Interleaved Waveform Digitizer," IEEE Transactions on Instrumentations and Measurements, Vol.40, No.5, October 1991, pp. 831-835.	
/		S. Kasturia and J. H. Winters, "Techniques for High-Speed Implementation of Nonlinear Cancellation," IEEE Journal on Selected Areas in Communications, Vol.9, No.5, June 1991, pp. 711-717.	
		RECEIVED	
		MAR 25 2003	
		Technology Center 2600	

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, Washington, DC 20231.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.